



Varshil Udani

Lead Software Engineer

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As an experienced Lead Engineer, I bring a wealth of expertise and versatility essential for driving successful project outcomes. With a proven track record of delivering high-quality web and mobile app software solutions, I am committed to providing exceptional performance and value to every organisation I work with while always striving for innovation and growth.

WORK EXPERIENCE

 **Technical Engineering Lead** August 2022 – Present
RUSH DIGITAL New Zealand

Responsibilities

- Leading the development and implementation of front-end architecture and design patterns for several clients, including AA Insurance, Watercare, Unicef, Ignite, Te Whatu Ora and Foodstuffs.
- Providing technical leadership, guidance and managing a group of developers via learning chapters and monthly 1-on-1s to ensure adherence to best practices, code quality, and efficient development processes.
- Collaborating with cross-functional teams to establish project timelines, resource allocation, and deliverables.
- Implementing reliable Continuous Integration and Continuous Deployment (CI/CD) pipelines to streamline the development, testing, and deployment processes.

Key Technologies: ReactJS/React Native, Typescript, AppCenter, AWS, Azure, Miro, 15Five, Webflow, Contentful

 **Senior Software Engineer / II** June 2021 – August 2022
RUSH DIGITAL New Zealand

Responsibilities

- Leading the mobile development team for the award-winning NZ Covid Tracer app. With a limited time frame, an intuitive and stable new user experience was built to protect the people of NZ.
- Lead engineer for several clients, including the Ministry of Health's Health Hub and The Lowdown project. Efficient Headless CMS solutions were engineered and built knowledge base solutions from the ground up.
- Collaborating with UX/UI designers to develop and implement visually appealing and user-friendly interfaces.
- Staying up-to-date with the latest front-end development trends, tools, and technologies to ensure that the organisation remains competitive and innovative.

Key Technologies: ReactJS/React Native/Redux, Typescript, AppCenter, Sanity.io, GatherContent

 **Software Engineer** December 2014 – June 2021
LEAPTHOUGHT New Zealand

Responsibilities

- Designed and developed a mobile application, which compliments one of LeapThought's flagship products (Fulcrum+). The mobile application is supported for both iOS and Android and has offline capabilities as well.
- One of the key engineers for developing LeapThought's highest valued and its most elegant product offering (Excelens). With the use of ReactJS, ASP.NET and other state-of-the-art technologies, a solution was crafted on top of SharePoint Online.
- Product consultation with several clients to improve their business's operational functionality and align them with their requirements (Auckland Transport, Contact Energy, Air New Zealand, Shellharbour City Council, Genesis Energy).

Key Technologies: ReactJS/React Native, SQLite, AngularJS, Typescript, ASP.NET, SharePoint Online (O365), Kentico

 **Summer Internship**
THE UNIVERSITY OF AUCKLAND

December 2013 – February 2014
New Zealand

Responsibilities

- Designing and developing the software base to control all the servos of a robotic arm simultaneously for the ArbotiX-M micro-controller as well as the BeagleBone Black (ARM) development platform.

Key Technologies: Arduino, C++, Python

 **Trainee Development Engineer**
ETEL TRANSFORMERS LIMITED

November 2012 – February 2013
New Zealand

Responsibilities

- Designing AutoCAD engineering drawings based on requirements.

Key Technologies: AutoCAD, SolidWorks, Epicor ERP System

 **Higher Level Mathematics Tutor**
KUMON STUDY CENTRE

February 2007 – October 2011
New Zealand

Responsibilities

- Teaching mathematics to higher level students.

EDUCATION

Bachelor of Engineering (Honours) in Computer Systems Engineering

THE UNIVERSITY OF AUCKLAND

2011 – 2014

New Zealand

Key Courses

- Embedded Systems Design
- Robotics and Intelligent Systems
- Software Design
- Control Systems

Secondary School

LYNFIELD COLLEGE

2006 – 2010

New Zealand

SOFT SKILLS

Time Management

Refined planning and organisational skills that gives the ability to work under pressure, plan ahead and successfully meet the required deadlines.

Communication

Excellent written, verbal and presentation skills to confidently communicate ideas across, both to individuals or to the team.

Problem Solver

Ability to identify and resolve problems in a methodical manner.

AWARDS & ACHIEVEMENTS

Good Design Award Gold Accolade

RUSH DIGITAL

October 2021

The NZ Covid Tracer App received the Good Design Award Gold Accolade in the Digital Design category in recognition for outstanding design and innovation.

First Class Honours

THE UNIVERSITY OF AUCKLAND

September 2015

Graduated with First Class Honours (First Division).

Best Project, Intelligent Systems Category

THE UNIVERSITY OF AUCKLAND

September 2014

Awarded the best project in the Intelligent Systems category, for the final year (4th year) project - "Gesture based control of home automation systems using Leap Motion and Unity 3D".

HOBBIES



REFERENCES

Available upon request.